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<400>     1962

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3520

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3525

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3526

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<223>     unsure at all n locations
<400>     1970

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tacatgatgt aatgacctga tgttgacgct tgctttcttt ccacctctag cttttttagtc  180

ctgttttctg aatagcatga gcatgagcgt ncggatttat cgattatgat atggtattta   240

cccaagcata gggctacctt gatatgaagc aatgcggcgg gttatatata gactttcctc   300

ttttatctgt ttccctgcta gctccactat aatggtatac aaactggata cctggaagat   360

gagtgttaat gcagagagta taaaattctt tgaagatgaa attatagtct tatcatatac   420

ataacaacag ggaaagtatt ttttcttgtt ctatgttaga tggcttacaa tagcgctgtg   480

tatctgcata aaatggaatg ggtagaatac agctatgcca tgtcccagct ctgaccgaat   540

gatgtggaaa tgggcttaag tgcgggcgta gatgttgcgc aggggcgaac agtggtggtg   600

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tttgcgcggt atccacccct accgcggcgc gaaggatttc cagagtgcgc ggagtgagtt   720

tgagtatgag gttttttggg cgttggtgtc gacaactgtt gatgttgtcc tcgatcagga   780

gcaccagctt cagaaccgtt ccgcgacgcc tggctctgct gcgccggtga cgatgcaccc   840
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ccaccgggac ctttactccc acgacctctt cgtcccccac ggccgtctcg ttcagccttc    960

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<210>      1971
<211>      1723
<212>      DNA
<213>      Aspergillus nidulans

<400>      1971

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aggccccatg ctctgctcgc aagcgtttgc gaacctctat ttcgccgcat catcttttaa    240

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tggcgggtat actattcggt gatcggacgt gcattttctt ttattcaagt tatagatgcg    660

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cctaccgcaa gctctagtgg ccttaggcag aacttcgggg aacataccct cctccatggc    960

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gtccgttgtt cacagcagtc tggctgatat ccccctccat ctgagccggt acgtggcttg   1080

aggtagacgc agcaggcgcg cgagcgccgt tttcctgtag aagacttttg ggcacgtagc   1140

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3528

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gtagagactc ccccaccatt gccaatcctc caggggctta acctgatttt tttacaggaa 1680

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<210>      1972
<211>      1920
<212>      DNA
<213>      Aspergillus nidulans

<400>      1972

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ctcgcctgtg tctgccagtg ggccgcacca cccgtaaacg tcgcagcggc attgctcgta   720

gcggggacag ctgcaatcga gctggttagc aagtggattg gaacagaatg cgaacgggac   780

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3529

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cgactcgact tgtattgctg tatgccgatg tgatttcggc gagttcacgg atgacctggt   1560

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ggcgcaatgg gacggcaaaa aaagaaaaac tggcgaaaaa atgacccgga tgggagtttt   1860

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<210>   1973
<211>   5224
<212>   DNA
<213>   Aspergillus nidulans

<400>   1973

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tgtatagttg gcacagtacg actaactttc cccacgtaat agctgtgcat tgtatactcc    240

aaggcacgcc ttggatcagt tgaattgggg ttgggtgtca ccaaggtgcc cgcctatgta    300
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gcggccaaat gggcgcaagg ttcgatccgt tccttcaatt catagattga taataagtat  480

attgtccatg atagtgataa ccagcctatt ctcttcattt ttgatggcga agaccgtctc  540

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agagaaggtc aaataaaacc atgacaattc aaccaaacac atcccactac tgaaccctag  1920
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3531

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ctgtcgtata accataaagc aaaaccatga gcttggagcg aactttcctc cctctcagag 2100

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3532

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3533

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tctt   5224

<210>   1974
<211>   736
<212>   DNA
<213>   Aspergillus nidulans

<400>   1974

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gcagctaatt ttacgcgcgt gatcaatctt gatgagcaca atggtaagag atcaaacgag 720

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<210>   1975
<211>   2603
<212>   DNA
<213>   Aspergillus nidulans

<400>   1975

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3535

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<400>   1983 .

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<400>      1984

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3549

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3550

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<400>   1985

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<400> 1986

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<400>   1987

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3554

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3555

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<213>   Aspergillus nidulans

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3556

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<400>      1989

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<400>      1990

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3561

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<400>     1991

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3570

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3574

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3578

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3579

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3582

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3583

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3584

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3588

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tctatgttat cacagctcgt cctttgccct aggagccaca ttgcccggct cctcgccgcc   1740

agcacaaaca gccggtgttg tgacaagcat cgaataaaca cacttttcat cctcagcgac   1800

cttcaggatc tcgttatcct cgccacagtc taagataaca gttgttgagc gtgcaggtcc   1860

gttccagcac ccctggccat tcttatactc caacgaggtc ttctgcacct ggatgatttc   1920

acctgcttca ttgacctcat caacgctgac ggacccgatg cgctcgaacc tgcccatccg   1980

cgaagatgag ccgcctttct tggggatctg cttcgtttgg tcgaggaaac agtgctcgta   2040

ggtatactcg ccagcgtcct tctggataca aaccccttta agggcgcgga agatggaagc   2100

agtgccgtag tcagtttcaa ggtcggcctc ttctttcttg agcttgttct ttgcgtcgtt   2160

gaggtccttt tcagctgatt tgacggcgtc gcgggccatt gtgacggcct tggactcaga   2220

cgctgagtct ttatccttgg gaggtaagat gccgctgctt cgaggaagc ttgtgaacga    2280

gttgaacttg tcttctagga atgtaacaag agacggagga agataggccg caagtttgta   2340

aactgatacc gtcagcaatc gtccaggaaa aaaaaatgtc aacataccta tatcaggttc   2400

atcgtcgccc tcgttctccc attgctccca gtttatacct gattcctcgc tgtcgggctg   2460

ggaaatagct tcccagtcgc gatcacgcgc actgttgaaa acagtgtccg caagtccacg   2520

agctgcgtaa tcctcccagc tgcgcacagc gcgcttgact ccctcatcat tgaagttcgg   2580

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<210>     2005
<211>     711
<212>     DNA
<213>     Aspergillus nidulans

<400>     2005

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gctctttaac cttccccgcc gcaacatccc gtcggcgctc gcggcgctcg acgaccagtt   180

cctcgacgat ttggcgacac gagtgcgacg agaaattgcg cttgatctgc cgtttgaggc   240

tcgtcgcgac gcagtaccag aaccgctgtg gattatcatt gtacaagctc tgatattcca   300
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agcagcagtt gaccaagatg agcgtctcgt tctcctgcag cttcctcccg cgacgtttgg   360

tcatgggcgg cgacccttgc gcgggggaat cgaggctctg cggtgtgtgc gcgaatgcat   420

tttccttgtt atcttgtggt gtggactgcg gctgcggacc gggctgcgaa gccggtgata   480

cggtatgggg aatattgaag ggaggagggt gaggagggta cggcggttgg tagtgggagg   540

tatgtgcctg actgcccttg ttgacgaatt ggggactggc gctcggctgg ggcgccggag   600

ccggcggagg gaccgttttg ctgaggcgat agatcggagt gcggccagac aagtcggggg   660

gcttggtgaa cttgacgggg gccatcgcca tggtccagga gctggctgga g             711


<210>      2006
<211>      207
<212>      DNA
<213>      Aspergillus nidulans

<400>      2006

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tccgccgaca gggattccat ctggtaatcc gccatcgcaa tggtcgtgga gttgaatgtg   120

ttggtttcga tgatatccgc gcccgcttga aagtaggcgt tgtggagagc ggcgatcact   180

tgcggacgac tgagtactag cagatca                                       207


<210>      2007
<211>      2562
<212>      DNA
<213>      Aspergillus nidulans

<400>      2007

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tcctcgcgta ttctggtgaa gatgcgtttg cgtcttgttt tcaactcctc ttatccgagt   180

cgtctcccta tttttttctag acatgtgaat gtcgcatcgg cagatgggac ctgacctacg   240

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cttcaggctc aggctcgtcc atgactcgaa gttggataac cgttgagaca tcacggccgc   360

gtcgtcccac tcgcatacag cctgtctcac tcgagattgc gactgtcccc atcatgatag   420

gatacgagga ctacatgtcc tggcctgtgc gccttgctcg ccttgcttga caggaccacg   480
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ccgaatagcg cacactcgag ggacctcgtg cgaggagcag acaatgggtc ggatacgtag  540

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agctgaacga tgcacggcca cttgtcctga tctcgactcg agtcggtcgc ccgcggtcgg  660

aagtggagcg atcaaggcac agatgtcctg cttcggcagc aaggtgagta taacggctgg  720

ctcgctggga cggtgtcggc ggctggatgg acgatcctgt tcgttgtcct tcacggagac  780

ggcagaagac gagaccggac tagctcaatt gactcgactg agtccactga gcctagtggt  840

cttcttgaag ggatgacccg aacatggatt tcttgcctca gccccagacg cctgacttgg  900

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atgaattgcc ggagcgcgtt cgcctataga catctgggct tgccgtcagc cagccgcagg 1020

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catccaggta gtctaccaca tttcgcatcg gacagccttc agctcttgag aaccacaaac 1320

cggccgtcgt catcagctct gtcctcctgg tacggttggc ggtggccatt aacagatac 1380

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tgtggctgtc agagacgact ccaagtgact agtctacacc tgctggacac tccatcccgt 1620

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cgaccactct aaagtttgag tcaagtctcc catctaggcc tggttgtata aagacattta 1860

accacgtgag tattgtgaga agttgcagca ccctcacgtt cacctgccat actatcagga 1920

ttaatattta aagcgaggat tgagcaatct agcagaactg gtgtcatatc tgcacgcaac 1980

gccccccgtt ggcaaggcct cgagctgcta agatagattc tccagtaaaa gggacgctac 2040

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                                    3591

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gacacccgtg acagcgatct caaacggacc tgcaatcggc agtgttccga gcccggttgt 2220

gacacataag accaggtact tgtcatactc atgtaggggg caaggcacca ggcgggacta 2280

gacggagagc agagccagga gtgagggaat agtaggttgt tcgcacgtcg cttcccccta 2340

tgataccata ctccacagcg aactctcgac ttagaaaacc agctcacctc gtcctcgtac 2400

aaatacaaca accttccaac cgagcctcaa cggctacgta tgtgcatgtg catctgcata 2460

tgcatggcat gaacgtctgt ccatgacttc agtccaacga acacatgcag ggccgccggc 2520

gtgttgtggc actcagggct gacccgccct tgccctatct cg                    2562


<210>      2008
<211>      2966
<212>      DNA
<213>      Aspergillus nidulans

<400>      2008

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aggcggccct ggcggcgtct cccacttcta ctaccgccac ccaatcttgc agccgctcac  240

gagccgccac cacaaccacc gcggattcat ttttggacat tcctgatagc ggaagcgctc  300

gcaagaggca gaaaaagact aggaaacagt gccctgattc tgctgccgag ttgacttcaa  360

cgaactcatt caacttcgag agggaggtgt cggaatctcc ggcgaaggtc gaagcgtctg  420

aatttgttac ctcaacgtca acaactatgg agtctgatga tgatttcatg agtgttgcat  480

cgagtgcgga tgatttcctg ggcactcagg gtagcgatga tgaaagctta ggagatggta  540

agatgtccgt gggttttttgc ggaacttggt tgctgacttg ggctttgtcg cttcaatcag  600

atttcggcga cgacttcgac ggtggttttc caaagacaaa gatatatttt cgaatacgcg  660

gaaaccatat gaggtggact tcaaagtcct tagcccggaa gatatcgaac gtgaacagaa  720

tttgcagatc aacgaagtct catcaatact cgggctgccc ccagagtcgt cggcaatttt  780

gttgcgattt ggccgttgga atcgggaaaa actgatcgag tcgtacatgg accacccgga  840

attaacactg gaggaagcag gcctcggaac caatttcgag tcaacaccga agactgaagt  900
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3592

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ggtaccgggt ttcacatgtg atatctgttg cgaggatggt gatgatcttg agacctatgc   960

gatgcgctgt gggcatcgat tctgtgttga ctgttaccga cactatctcg cgcagaagat  1020

ccgggaagaa ggagaggccg cgaggataca gtgtccgggt aatgactgcc acatgattgt  1080

cgattcaaag tcgttaagct tactggttac ggacgatctc aaggacaggt tagtcttcct  1140

tattacttga ctgcctatat gttcgctggc atatcaacta atttcggggc cagatatcaa  1200

acgttattaa cgcgaactta cgttgatgac aaggagaatc tgaagtggtg cccggctcca  1260

aattgcgagt atgcagtcga ttgccacgtc aagcagcgtg agttacatcg cattgtaccc  1320

acagtgcaat gtggttgtaa gcactacttt tgcttcgggt gcactctgaa cgaccaccag  1380

ccttccccat gtagactagt caaaatgtgg cttcaaaagt gcgaggatga ttcggagaca  1440

gccaactgga tttcagcaaa cactaaggaa tgccctaagt gccattcaac aatagagaaa  1500

aacggcgggt gcaaccacat gacgtgccgc aaatgcaagc acgagttctg ctggatgtgt  1560

atgggcctat ggtcggagca tggcacgagc tggtataatt gcaataggtt tgaggaaaag  1620

tcaggcgccg aggctcggac tgaacaggct cgttcccgag cgtctttgga gcgctaccta  1680

cactactaca accgatacgc caaccatgag cagtccgcca aactggacaa ggacttgtat  1740

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gtgcagttcc tcgatacggc gtcgcaggca ctgcagcaat gccgacaaac actgaaatgg  1860

acgtacgcct ttgcgtacta cctggcccga aacaacctga cggagatttt cgaggataac  1920

cagaaggatt tggagatggc ggtggagagc ctcagcgagc atgtttgaga agccggtggg  1980

agaactggcg aatctcaagg tcgacatctt agacaagaca gcatactgca acaagcggcg  2040

agtcatcctg ctgagcgaca cagcagagaa tctgaagaac ggtatgttcg gcgcattgtc  2100

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gtagacctag agtcgtatag atttagcgag catgcttgat tatctgttga aggcaaggac  2220

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ttcacgggtg tatcaatatg catctttatg tcatccatct ttccgtctcg cctcagcact  2520
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3593

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gtaacccata gtcataatct tttgac                                    2966


<210>      2009
<211>      1581
<212>      DNA
<213>      Aspergillus nidulans

<400>      2009

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tcggccccta ccggagaatg tcagctaggg ttcctgatcg aggataaaga tctcccagag  180

gaggattacc aatgccatta ttgcaaggcc tacatcttct tgactcaatt taaatgccac  240

aagtccggga aaacactatg cctggtacac ctggatgcac atgattgctg tggggaaccg  300

ctgtcgaaaa agttgctggg cccggaccac acactacgct acagagtcag cgacacggaa  360

ttgaagagca tggtcttgaa ggtccaggag cgttccagga tcccggaagc ctggggacag  420

aaacttgaca atattctgga agatgatccg aagccccagt tgaaggtcct tcataaccta  480

cttaatgaag gtgagaaaat cccataccat ttacctggtc tccaagagct tgcggccttc  540

gttcagcgct gcgataagtg ggttgaggaa gcaaccaact acattacgcg gaagcagcag  600

aaccgaagga agaacgagaa agcttggcgc aagactactt ccaaggcctc gcagctggaa  660

gaacgtgacc gtgaagttcg cagggtagaa aacatctacg cccttcttgc agaggctgat  720

aaactgtcat tcgactgtcc acagatggcg gctctggaag agaaaacccg cgagatcgag  780

aaattccgcc tggacgttag cgctgcgctc gcgaatccgc atacccggtc aatacaggaa  840

gtcgaagagc tcgtggaaaa ctcccggaat ttcaacgtgg atctaccgga agtggaggac  900
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ctggaacaca ttgtcagaca aatgaagtgg aacgaggatg caggtcgcag acgtggccaa  960

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gaagcgaatg aacaccttgc gcatttcaaa gacctgtgtc gtcatggtga ggcttgggaa 1080

gcgaaagcta aggaattaat gtcggtcgag gcggtccact accaacagct ggaagccttg 1140

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aaatcgcaca tggagtatgt tgagaagaga aatttctact gtttcgacct cgaagatcgt 1500

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gtgcagcagt actacgggca g                                           1581


<210>      2010
<211>      3492
<212>      DNA
<213>      Aspergillus nidulans

<400>      2010

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gtcgcaccat gcgggaatac gtgatttatc actggaaatc agcatcaaat atggcatttg  180

gttgagttac ttacgaagtg tcataggtgt cactgcccac gtcatatttg taagttgggg  240

ggaacgtgac aagaccctca ctgtagaatt ggaaagccct gcccgcgagc atttgcagat  300

tcagctaacc aaggtcagtg aagtacggat gccatgggaa gacatagctt acttgatcat  360

tgtcatagag cttctgataa ttgctctgtc ttaccaagtc cctaaccgtc tgattgggaa  420

ggccaatcct ataattgaag tctcccagcc ataacagc gtcatgatcc tcaataaatc  480

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aattcgcaaa gccagcagct aaatgagcgg ttacgaagca aagcctggta ttcgaatatt  600

cgaagcggat ggcacagcct cctttgttac cagctattcc agaaagcccg gtctgcaggg  660
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accgaattag tgagttttat aagaggatag caagttccgc tcaccttctt tacacttcct  720

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accaattgac ctgatcgcag aagtacatac ttcggtgatc cccgcgcagc tgcgcgtgag  840

tttaaacaat ccatgacggc aagctcccag gatttacggg ttgtagggtc tgttgacatg  900

atctgctgag ggctcagggt aacaatctcc tggaatccaa cagcgaatat agtcggacac  960

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acacgtccat tcacgttgaa cgttccggtc cagatatcgg ctaatttctt ggaagtgaat 1080

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3596

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gaggttcgac gactacaatt gttgaattgc tacactggaa ctgatcaccg ttaaagcggg 3180

gtttcaatat cacgggtgat tacgaactgt cttcctatat tatggtgatt aagtcccccc 3240

atgaatccta aattggccct tgaacacaca cttatcacaa agtttcttgg tctcaatcct 3300

tcagaaataa agggctcagg tgtctgattt aatacaaatg gtataaagag gactccttaa 3360

acactctgct tggtttattt tccgtactac tttatttact ttcctaatca tcttattatt 3420

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aatttcttct tt                                                     3492


<210>    2011
<211>    1567
<212>    DNA
<213>    Aspergillus nidulans

<400>    2011

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3597

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3611

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3617

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3619

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3620

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3621

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<400>   2026

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gccaatgcga gggggctgaa ggtgtctttg atcaacaagg ccaacacatt caaaaaatca   840

ggtactgcgt tttgtgtttg tgtagtcttt gagtatctgc acaagcctgt tcgcttgttc   900

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gagagtttgc ttgccacgtg ctcgactaag cacctgtcag aatctgaagc ccgaataata  1020
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acaacagaac gaatttcctg cacgcccaaa tattcacagg ctttatgttt atgggcgcag 1320

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tcatgattcc cagggctcag gcgcaccct gggttaagga atataacggc gcggatcatg 2580

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3625

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<212>   DNA
<213>   Aspergillus nidulans

<400>   2027

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cagaggagat gagggacaat tcgattgcat acctactcat cctggcgcac ttatgcagtc  180

tgctggtact tgcaaaagag gcccctgtca caggacggcc ttttcgacca aacaagactg  240

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gaagtcgatg gattggagat gtcagcagca taacttgaat cttggggctc ctgcgcgtct  360

atggacgcca ggaacctaag tatacgaaag caatgaatta tccatgtgcc gcatcgcaac  420

cacccacctt tcctcttcga atctgctgat ggaagtcagt cacacctcaa ctgggacggg  480

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gtactacatt aagatcttgt agtagcaaga ccaaagtctt ccgataccag tatccgtacc 1140

agtacagatc aaaagccaga gtggaaattc ggaataagaa gaacagagaa agaattaaga 1200

aaagagtgaa gtcacaccta aacagagcag gatatcgctt cacttcactc tattgcactt 1260

gcaccactct gactccaaat cagaaaagaa cgaagggcat agctcaatga attcatttcg 1320
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ctgccgtctc ggggaacata cgaag                                      1525


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<212>     ·DNA
<213>     Aspergillus nidulans

<400>     2028

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agacaagtgt taacaaccgt gagtcgctac ccatatatac ctaatttgtc gagccatctg  180

cttacgtcca ctccgcatgt cacgaagact ctctcatata gtcaccgccc gtgagttcat  240

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<213>   Aspergillus nidulans

<400>   2029

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tcaaagcggt aaaacgtggc cttgacgact ggttactttg aaagttgcga gttcaactgt   180
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3628

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3629

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<213>   Aspergillus nidulans

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tcaaagactc tccgtgccga ccggaactg ctcgaacgca cctgggacct tgtctcgtct 180

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3630

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<210>   2031
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<212>   DNA
<213>   Aspergillus nidulans

<223>   unsure at all n locations
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3631

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<212>     DNA
<213>     Aspergillus nidulans

<400>     2032

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ggcattgacc cgtacaagtt ttttttcaac tgccgcgcac aggtatgtta tatctccatt  180

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gttcgtcctt ctgggaaaga agactaccgt ttatctcggt actaagggca atgactttat  300

cctgaacgga aagctaaaga tgtgtgtgcc gaggaagtct attctcccct gacaacccct  360

gtatttgggc gtcacgtcgt ctatgattgt cccaatgcga aactcatgga gcaaaagaag  420

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3633

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3634

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<213>   Aspergillus nidulans

<400>   2033

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<212>   DNA
<213>   Aspergillus nidulans

3637

<400> 2034

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cgacaagagt cgggatggag atgggaatag taagagtcac agtgatcgtt gggataagaa   840

cgagaatcgg aagagggaac gcgaaaatag ccgcgaccgg cgtcgatcga agaagttaag   900

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<210>   2035
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<212>   DNA
<213>   Aspergillus nidulans

<400>   2035

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aaaacgcaca acaaaaatac gaccgccata tccaacccca gacgccacct gcccctgtaa   180

ggatatcaac aaagaagcaa aaaagcaac catcgtaaat cacgtaaaca tgcgtcatga   240

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gctggttgtg agtttcccct atctgttcca agcaagccca gccgggtggc gggatctcca   480

ggactagaac gaggtggtga cgacgacgag gaagacgatg agcatgaagg aagtttggaa   540

cattcaacgc tgcattctgg gtccggtgag aagaagttgc tctcacgata cgaagcgaaa   600

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3639

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<212>   DNA
<213>   Aspergillus nidulans

3640

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<400>   2036

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3641

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<400>   2037

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<400>      2038
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3643

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3644

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<213>      Aspergillus nidulans

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<400>      2040

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3647

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<213>      Aspergillus nidulans

<400>      2041

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3648

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3649

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<213>   Aspergillus nidulans

<400>   2042

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3651

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3653

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3654

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3655

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3657

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3658

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3659

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<213>        Aspergillus nidulans

<400>        2063

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<213>    Aspergillus nidulans

<400>    2064

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3689

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3690

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<400>     2066
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3693

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<213>   Aspergillus nidulans

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3694

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<213>      Aspergillus nidulans

<223>      unsure at all n locations
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3700

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<223>   unsure at all n locations
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3711

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3712

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<213>   Aspergillus nidulans

<400>   2079

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3715

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3716

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<213>   Aspergillus nidulans

<400>   2081

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3717

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3718

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3719

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<213>   Aspergillus nidulans

<223>   unsure at all n locations
<400>   2082

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3720

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<213>    Aspergillus nidulans

<400>    2083

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3721

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3741

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3742

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3743

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3745

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3746

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3747

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3748

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cgtccagccg tgccacggca gctcgggtct ctccggacga tcatcaatcc tgatgagagc 2040

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atgatcataa gcttggagaa accggtcatt tttacgagcg tttcatggag ttcagaagcc 2160

gttgacaaat ctccaatgcg tagcgagcga accttggatc gtgaaccacc atcaaacgcc 2220

tggtaccgta tatcgatcaa ttcgcctttc tccggctgga aaaatatact gggaggtgaa 2280

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<210> 2098
<211> 2981
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 2098

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gctcgcctca agcggtacat aaccttctct ctgttagatg cgaatgctga cttacaaact  180

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accaacctct ccctcctcga gcttctcaaa ctttggaaag gcttgttttt ctgtacgtcc  300

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aaacggtact ggtaccggta ccgacaccgt taacaagaag cgcaagagag aggactctac  660

gaagtccaag aaacgctcaa agtccaagtc taagagcgcg caaccggcct ctgacaatga  720

agacgaagaa aaaaacaccc atcccaactc agaatctccc tccacaacct ccaacagcga  780

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3749

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gccgattgaa aggttgaagg ctgagagccc gcacaaaccg gtcagggtaa gggctgcgga   1080

gacgctggct gatgagagaa tggttacttg gggccttagg gagaaggaga agaaggagga   1140

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gcggatctcg acttccggca tatcgaagaa tgtgccctcc gggacttcgg acatcatttt   1920

caagatgcgg gtacgaggag tttttccgtc aattgtgacg atgtccataa ggccatcgtt   1980

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gccgtaggta aagcggtgag cccccatcca gcgaatgtgt tccgtgccca gatctgagtc   2340

tgcgatgatg ccgaaagact gtgataagaa ggacagagtg cgagtgcttc cctgcgtaac   2400

ggacatgaga tcgatgggca tgcgcactcc cttgatgatg gtcagagctg cgatggaaac   2460
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cagtgtgcag ccgcaaagac aggctccgcg tatgttcgat acattttagc cgcatgtccc 2760

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gcanagctag taagtttgac atccattgct cgaccctcga tntctcttca gcggcgatgg 2880

ggtattgcag agcggtaacg cgatgtcatt ttgcctgggg ctcgcgtang tatggtcacg 2940

ccactgacat acctgtttca gccgtataca agaagatgag g               2981


<210>      2099
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<212>      DNA
<213>      Aspergillus nidulans

<223>      unsure at all n locations
<400>      2099

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cgagaccgcc aacgaggatg atacccagct cttgttagag atgctgttaa gatgggtaag  180

gtatatacct tgacgtcgag gccttggctc cttgctttgt agacttggcc gtcgacgagt  240

ttgtcgattc cagcaaaaga ctcagtaaat gcatcttgaa tatgggagct agatcgcgtt  300

agacagagac acaatcagga gatttgagcg taccctgaga aatggattcg tcccttcttg  360

atgaacggct cacgactcat gtcgtccaag ctgtttttcc caaatgcttc tgctggtata  420

ctcacaatat actccttttt ggagctttgt ggtttaaact gtggcttaat ggcgtgttcc  480

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cctagaaagt ttagaaagaa taagagtaaa gggttgatat acttaccagt tccttcgacg  660

gcttcgtgca ttgcgatggg actgaccgag gctatctcgt aactgatcaa gtcctacgac  720

cgtgagctag gaggtgaagt tggagagaag caacctacaa cggtgccacc acccgcatcg  780
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3751

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aagattccag cttgtcgagc agcttcctcc attccctgtc ttgcataacc cttccagatg  960

gcaggcactg taattacgac atggaaccgc aacgcatcaa tgacatactc accacgagac 1020

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cctgataacc aagatacaga gatgccagac gcagactccc cacgaggcct cgcagatcgg 2400
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<211>      2785.
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<213>      Aspergillus nidulans

<400>      2100

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tcttcacact tgacctccgg atattgactg cggagagtat ggatagggac atttacacgg  180

tcgaaaaggc aaattgacaa aaatattgcc agttatgctt aatggcaaac ccttggtgga  240

gtggcgatca acgaagtact aaagattcgt gccctgattt cactgttaca actataaagc  300

caacttcgat ctcaactaaa ttatctcctc cccaaccctt gtccaaacct cgacgtcctg  360

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tcccactgca actgtgagag acttgtactt cggatgctga tcaataagga attggcggtc  600

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aagagcttag cctctctctt ggaccttcct tgcaaatatc ctttatcgct ctatcattct  2220

ccttctccgc attgctgata cgggatactc gtggctgatg ctcctcggtt gaagtatggg  2280
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3754

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catctttatt gtggggagtg agtggcacca tacatatcac caagcaagcg acggcccacc  2460·

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caaatcagaa ctggccgaag tcaaaggaac tatggacgct cttcttagcg actctcttcg  2700·

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<213>       Aspergillus nidulans

<400>       2101

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3756

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3757

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3758

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3760

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3769

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3770

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3775

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3776

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3778

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3779

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3783

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3784

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3785

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3789

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3790

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3799

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3811

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3812

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3814

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3815

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3817

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3818

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3819

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3820

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3823

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3827

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3833

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3834

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3837

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3839

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3842

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3845

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3849

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3853

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3854

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3856

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3857

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3858

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3859

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3862

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3863

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3865

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3866

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<213>     Aspergillus nidulans

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<400> 2176

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<213>   Aspergillus nidulans

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3870

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3873

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3875

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3878

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3879

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3882

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3883

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3884

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3885

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<213>   Aspergillus nidulans

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3886

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3888

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3889

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<400>     2191

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3891

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3897

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3930

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3936

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3937

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3938

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3939

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3941

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3942

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<400>      2228

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agaatgagaa ccgcgaacac acagtggtaa cttcctgtgg ctgaacaaac gctgattggc  180

gatttagtgc tgtggcggtg tcatcgccaa tcagacggta tacttaccga gtaatctgta  240

cgggaccacc aaggagaact acctggactt ttgccaggga gtcatcttcc tagaaatttg  300

tcagacatga gagtaccttt gggtacaagg tgactttggc tggttagcat tctgatattg  360

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<213>      Aspergillus nidulans

<400>      2229

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ataatcccag acatctcccg gagatccgta gcccaggccg ggtagttacc atccctggat  240

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gcacagcgct gatgatctcg gaaatgatcg agctgggcat ttcggggatg tccgggatgt  360

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tgccagtcgc tacgggggatg tcgcttgagt cttgcgattc aatccattcg tcgagcgtgg    480

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caacaagcca gtcctggccc agggccatcg aagaaagggc aaggaaggta aggtatttgg    660

cgtgcatatt gacagatctg acaagaagcg aggtagaaag agcgtaaaaa aaaacaagga    720

gcggaacgtc aaaaatgtac agtgtaaaat gagatggaat tgatattgat tagaataaaa    780

atgccaaccg ttgctgaagt tatgttcaaa aagtctgcca cccagagcgc tacaggccct    840

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ctctcgtatt cagtcttgtc caccttaccc aaccgggagg atttgcaacc gcatctcgta   1020

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caggaggaga tttttgtatt caagagcgtc tgaattgtcc ccttggcggc tcgtatcaac   1140

atcggctcgt cggcaaagtg ctggtgcctc tgcctgctac tatggtgcct gtgccttggg   1200

tctggcaggc ctttcgactc agaactgagt cagaactgaa aatggcaccc acagctagtg   1260

gatacgagcc cctgcgtcgg caatgcattt gtgaggctct cctgaaagca tccacagtct   1320

gggtggacac actccatcaa ctccatcagc aatgaatgcg tttcctgctc acacgacact   1380

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<213>      Aspergillus nidulans

<400>      2230

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gcggaaggtc tggaatcgca gacggcagca agctggctgg aagtttgaca ggacgctgat    180

cgatgcggat aggctctgtc tgaatgccag ttgttcgagt ttcggtgact gccctcaagt    240

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3956

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gagtccgcgc gttctccttt gtagtggagg tcgtgatcgc agatcgagtc acgaatagac 2280

aattcaagag aagacagggt aagacaaccg cataagatta aaatagatgg gggagcagga 2340

ataggtagta tctgcaacac cctgtgtccc taacgttggc tatcgtccaa tccctcgcct 2400

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<213>      Aspergillus nidulans

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acaagttcac atccgtcccg aagtcgcagt cgcaaaaccg gcatccgtcg gtggatcaga   180

cactccactg tgtcgaggta taggagacaa ttcatctcaa tgtccatctc agacagttgg   240

gacagcggtc cgggtgggtc ataccatggt tttgcatgaa agagtatata ccggcatatc   300

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aaaagaaggt ccaatggtaa aatgggagat gaaggctgta gttgagaaga ggaattggat   660

cgttgtctct tcctcggagc ggagagtgat cgagagacga ggatatggta gcggatggac   720

gagcaatggc aatctacccg agtcatcgct atttggacga gttatgggtg atggtgaggt   780

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3957

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<210>   2232
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<213>   Aspergillus nidulans

<400>   2232

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<400>        2233

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3960

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<400> 2234

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3961

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<210>   2235
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<213>   Aspergillus nidulans

<400>   2235

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3973

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3974

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3977

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3978

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3980

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3986

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3989

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